

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	802	(spectrophotometer\$2 or spectro-photometer\$2) same (photo-detectr\$1 or "CCD" or photo-diode\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:35
L2	107	L1 and array near3 pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:35
L3	0	2 and spectral near3 energy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:36
L4	16	1 and spectral near3 energy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:36
L5	0	4 and pixel near7 spectrum adj1 analyzer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:37
L6	0	2 and pixel near7 spectrum adj1 analyzer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:37
L7	0	1 and pixel near7 spectrum adj1 analyzer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:38
L8	4	pixel near7 spectrum adj1 analyzer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:38
L9	0	pixel near7 spectral adj1 energy near3 disperion	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:48
L10	0	pixel near7 spectral adj1 energy near3 dispersion	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:49

## EAST Search History

L11	0	pixel\$1 near7 spectral adj1 energy near3 dispersion	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:49
L12	0	pixel\$1 with spectral adj1 energy near3 dispersion	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:50
L13	33	pixel\$1 with spectrum adj1 analyzer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:51
L14	1	13 and spectral near3 dispersion	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:51
L15	0	13 and amplitude adj1 value with spectral adj1 component\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:56
L16	14	amplitude adj1 value with spectral adj1 component\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:56
L17	0	16 and pixel\$1 with spectrum adj1 analyzer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:56
L18	47	16 or 13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 15:57
L19	33	pixel\$1 with spectrum adj1 analyzer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:07
L20	3	19 and continuous adj1 spectrum	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:08

## EAST Search History

L21	0	20 and amplitude adj1 value	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:09
L22	98	amplitude adj1 value with spectral	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:10
L23	0	22 and pixel\$1 with spectrum adj1 analyzer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:10
L24	4	22 and spectrum adj1 analyzer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:11
L25	8	rosenthal-eric.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:19
L26	7	solomon-richard-j.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:20
L27	3	johnson-clark.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:20
L28	15	25 or 26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:20
L29	17	27 or 28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:20
L30	0	29 and spectrum adj1 analyzer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:21

## EAST Search History

L31	1	29 and amplitude adj1 value with spectral	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:22
L32	1	29 and amplitude adj1 value same spectral	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:22
L33	1	29 and amplitude adj1 value	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:23
L34	1	29 and continuous adj1 spectrum	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:23
L35	1	25 and continuous adj1 spectrum	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:23
L36	0	26 and continuous adj1 spectrum	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:23
L37	1	27 and continuous adj1 spectrum	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:24
L38	18461	382/173,140,164,171,321;356/319,300, 302,326,213,416,432,445;101/171, 211;358/1.9,504.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:26
L39	5	L38 and(spectrum\$1 or spectra) near5 pixel\$1 same (spectrophotometer\$2 or spectro-photometer\$2 or calorimeter\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/15 17:26

## EAST Search History

L40	0	(separately and spectral and energy and eacn and plxei and spectral and energy and dispersion and spreads and energy and continuous and spectrum and determining and amplitude and value and each and resolved and spectral and components and each and pixel and spectrum analyzer and amplitude and value and each and spectral and components).clm.	US-PGPUB	AND	OFF	2008/08/15 17:33
L41	0	(separately and spectral and energy and plxei and spectral and energy and dispersion and spreads and energy and continuous and spectrum and determining and amplitude and value and resolved and spectral and components and pixel and spectrum analyzer and amplitude and value and spectral and components).clm.	US-PGPUB	AND	OFF	2008/08/15 17:34
S1	691	(spectrophotometer\$2 or spectro-photometer\$2) same (photo-detectr\$1 or "CCD" or photo-diode\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 15:09
S2	15	S1 and spectral near3 energy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/06 17:44
S3	0	S1 and spectrum near3 analy\$5 with pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/06 17:42
S4	34	S1 and pixel\$1 near3( amplitude adj1 valu\$2 or wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 15:10
S5	2	S4 and spectral near3 energy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 15:10
S6	691	(spectrophotometer\$2 or spectro-photometer\$2) same (photo-detectr\$1 or "CCD" or photo-diode\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/07 22:12
S7	18	S6 and image near5 array near3 pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/07 22:37

## EAST Search History

S8	97	S6 and array near3 pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 15:20
S9	12	S6 and array near3 pixel\$1 near7 image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/07 22:38
S10	10035	382/173,140,164,171,321;356/319,300, 302,326,213,416,432,445.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 17:21
S11	39	S10 and (spectrophotometer\$2 or spectro-photometer\$2) same (photo-detectr\$1 or "CCD" or photo-diode\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 15:49
S12	5	S11 and pixel\$1 near3( amplitude adj1 valu\$2 or wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 15:51
S13	0	S12 and spectral near3 energy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 15:51
S14	6	S11 and array near3 pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 15:50
S15	4	S14 and pixel\$1 near3( amplitude adj1 valu\$2 or wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 15:20
S16	128	(spectrophotometer\$2 or spectro-photometer\$2) same digital near3 camera\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 15:50
S17	13	S16 and array near3 pixel\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 15:50

## EAST Search History

S18	0	S17 and spectral near3 energy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 15:51
S19	6	S16 and spectral near3 energy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 16:05
S20	0	S19 and pixel\$1 near3( amplitude adj1 valu\$2 or wavelength)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 15:51
S21	0	S16 and spectrum near3( analyz\$4 or determin\$4 or obtain\$4 or calculat\$4 or comput\$4)near5 each near3 pixel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 16:07
S22	0	spectrum near3( analyz\$4 or determin\$4 or obtain\$4 or calculat\$4 or comput\$4)near5 each near3 pixel same spectrophotometer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 16:08
S23	0	spectrum near3( analyz\$4 or determin\$4 or obtain\$4 or calculat\$4 or comput\$4)near5 each adj2 pixel same (spectrophotometer\$2 or spectro-photometer\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 16:10
S24	0	spectrum near3( analyz\$4 or determin\$4 or obtain\$4 or calculat\$4 or comput\$4)near5 each adj2 pixel same (spectrophotometer\$2 or spectro-photometer\$2 or calorimeter\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 16:14
S25	0	(spectrum\$1 or spectra) near3( analyz\$4 or determin\$4 or obtain\$4 or calculat\$4 or comput\$4)near5 each adj2 pixel same (spectrophotometer\$2 or spectro-photometer\$2 or calorimeter\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 16:13
S26	0	(spectrum\$1 or spectra) near5 each adj2 pixel\$1 same (spectrophotometer\$2 or spectro-photometer\$2 or calorimeter\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 16:15
S27	0	spectrum near3( analyz\$4 or determin\$4 or obtain\$4 or calculat\$4 or comput\$4)near5 pixel\$1 same (spectrophotometer\$2 or spectro-photometer\$2 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 16:15

## EAST Search History

S28	13	(spectrum\$1 or spectra) near5 pixel\$1 same (spectrophotometer\$2 or spectro-photometer\$2 or calorimeter\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 17:23
S29	2	S28 and (each or individual) near3 pixel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/10 10:25
S30	16852	382/173,140,164,171,321;356/319,300,302,326,213,416,432,445;101/171,211;358/1.9,504.cds.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 17:23
S31	5	S30 and(spectrum\$1 or spectra) near5 pixel\$1 same (spectrophotometer\$2 or spectro-photometer\$2 or calorimeter\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 17:24
S32	1	S31 and (each or individual) near3 pixel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/09 17:24
S33	0	(segmenting and image and array and pixels and each and pixel and distinct and spectral and energy and signature and image and separately and directing and spectral and energy and element and each and pixel and spectral and energy and dispersion and device and spreads and energy and function and continuous and spectrum and representative and entire and spectrum and interest and each and pixel and functioning and spectrum and analyzer and determining and amplitude and value and each and resolved and spectral and components).dlm.	US-PGPUB	AND	OFF	2007/09/10 10:29